

# VTK INDUSTRIAL LTD

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## DTMF CARD

—DIAL TEL NO.

### FOR YOU

Description : It's not a **RINGING** card!! *Dialer-Card* helps to link you up with your customer closely. Put the *Dialer-Card* on top of the phone hand set, a single PRESS the button, *Dialer-Card* automatically dials out the telephone number pre-set.

Get yourself easier be contacted with *Dialer-Card*.  
Customer logo and card designs welcome. Isn't it good for

promotion?

Programmer can be sold to Advertising Consultant separately to pre-set telephone numbers. [Pls visit programmer](#)

Battery : AG3 (Button Batteries) x 2 pcs included

Lifetime : 1000 times dialing

Availability : 3 weeks after order confirmation

Contact us : [enquiry@vtk.com.hk](mailto:enquiry@vtk.com.hk)(Solina Chang - Sales Manageress)

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## Teleworld Corporation

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## Product

Product ID:302 

Ads by Google

**Valet Parking Key Lock**

Key locks reduce theft, easy to use fit all keys, high security, \$19.95  
[www.parkingzone.com](http://www.parkingzone.com)

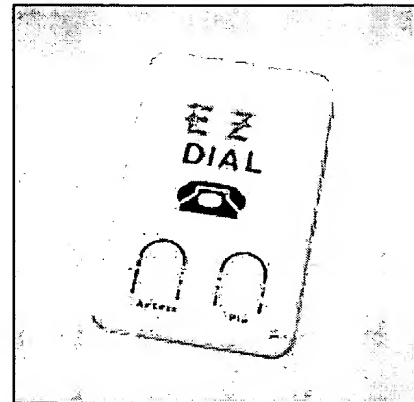
**Earthquake Safety Items**

Furniture Safety and T.V. Straps  
 Cabinet latches and many more.  
[www.safeandsecurebaby.com](http://www.safeandsecurebaby.com)

**Save on Combination locks**

Great prices, ships within 24 hours  
 Kaba Ilco, Trilogy, Simplex, Unican  
[www.locksearch.com](http://www.locksearch.com)

**Furniture Locks**  
 Locks for Desks, Cabinets, Files File Cabinets, Utility Locks  
<http://www.mrllock.com>



Auto Dialer Card, Two Number Preset

## Specifications:

- Size: Rectangle, Credit Card Size, 86X54X6 m/m
- Weight: 18-24 gram
- Materials: ABS Casing, Electronic Component Inside
- Storage Capacity: Two Number, 16 Digits Length Each, Presetable In Factory
- Power Source: Alkaline Battery, Button Cell Ag3 X2

## Features:

- Good For Long Distance Service Company And Premium Market
- Thinnest Design With Acceptable Cost
- Optional Card Stand To Hold The Card Stand On Desk Or Attach To Wall
- Whole Face Can Be Used To Print Large Logo
- Each Piece Can Be Input Different Number To Store User Oriented Number

## Ordering information:

- Minimum Order:500 Pcs

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## Teleworld Corporation

## Showroom

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Postcard Marketing Works Put a Card in Their Hands  
www.zairmail.com

**Expert Lead Generation**

Quality Sales Leads That Work Increase ROI w/ Targeted Marketing  
www.LeadCell.com

**Bidmix.com**

Free Trade Leads Import / Export Marketplace  
www.bidmix.com

**Find Clients Who Need You**

Web Seminar Marketing Service Identifies new clients for you!  
www.webinardirect.com

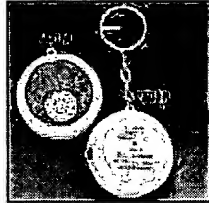
Select items on ☐ and click

Added to basket

or

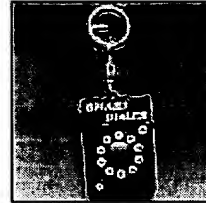
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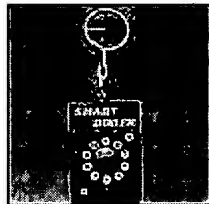
Click here for details.

201K  
Auto dialer  
keychain, one  
number  
preset



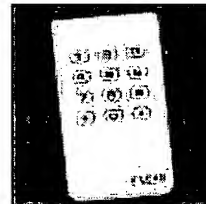
Click here for details.

202  
Auto Dialer  
Keychain,  
One Number  
User Program



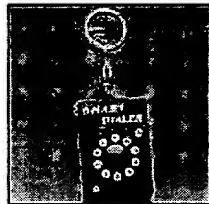
Click here for details.

203  
Tone Dialer  
With  
Keychain



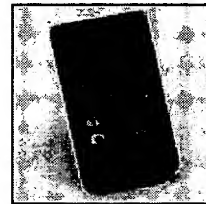
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207  
Tone Dialer  
Card



Click here for details.

212  
Auto Dialer  
Keychain, 10  
Numbers  
Storage



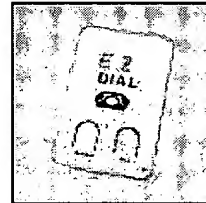
Click here for details.

220  
Auto Dialer  
Card, 20  
Numbers  
Storage



Click here for details.

301  
Auto Dialer  
Card, One  
Number  
Preset



Click here for details.

302  
Auto Dialer  
Card, Two  
Number  
Preset

Select items on ☐ and click

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L Number	Hits	Search Text	DB	Time stamp
30	728	resonan\$3 near transducer	USPAT	2004/02/20 09:39
31	16	(resonan\$3 near transducer) and card	USPAT	2004/02/20 09:42
32	9932	(plural\$4 or multipl\$5 or second) near (transducer or speaker)	USPAT	2004/02/20 10:49
33	543	((plural\$4 or multipl\$5 or second) near (transducer or speaker)) and card	USPAT	2004/02/20 09:43
34	70	((((plural\$4 or multipl\$5 or second) near (transducer or speaker)) and card) and resonan\$3	USPAT	2004/02/20 10:05
37	0	((plural\$4 or multipl\$5 or second) near (transducer or speaker) near (acoustic or sound)) with card	USPAT	2004/02/20 10:50
36	242	(plural\$4 or multipl\$5 or second) near (transducer or speaker) near (acoustic or sound)	USPAT	2004/02/20 10:50

00248313

Data card with inductive signal transfer device.  
Datenkarte mit induktiver Signalübertragungseinrichtung.  
Carte de donnees a dispositif de transfert de signaux de maniere inductive.  
PATENT ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku,  
Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states:  
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Minato-ku, Tokyo, (JP), (applicant designated states: DE;FR;GB)

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LEGAL REPRESENTATIVE:

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Southampton Buildings Chancery Lane, London WC2A 1AT, (GB)

PATENT (CC, No, Kind, Date): EP 249356 A1 871216 (Basic)  
EP 249356 B1 910724

APPLICATION (CC, No, Date): EP 87304623 870526;

PRIORITY (CC, No, Date): JP 86119311 860526; JP 86201715 860829; JP  
86201729 860829

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-019/067; G06K-007/08;

CITED PATENTS (EP A): EP 180380 A; DE 1152742 B; GB 2148075 A; US 4277837 A  
; WO 8604705 A

ABSTRACT EP 249356 A1

A data card which can be resiliently flexed to a degree. The data card includes a laminated structure member (10) having at least a synthetic resin protective layer (11, 13) and a ferromagnetic material layer (12), an electric circuit device (14a, 14b) embedded in the laminated structure member (10) and an electro-magnetic transducer (15) having a pair of coils (16, 17) which are formed on the laminated structure member (10). The pair of coils (16, 17) are coupled to the electric circuit device (14a, 14b) for generating magnetic fluxes (16m, 17m) of opposite directions with each other according to information signal applied from the electric circuit device (14a, 14b). Or the pair of coils (16, 17) are provided for receiving magnetic fluxes (23m, 24m) of opposite directions with each other and coupled to the electric circuit device (14a, 14b) for applying an electric signal generated by the magnetic fluxes (23m, 24m) of opposite directions thereto.

ABSTRACT WORD COUNT: 159

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 871216 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 871216 A1 Date of filing of request for examination:  
870615

Examination: 891206 A1 Date of despatch of first examination report:  
891020

Grant: 910724 B1 Granted patent

Oppn None: 920715 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1045
CLAIMS B	(German)	EPBBF1	523
CLAIMS B	(French)	EPBBF1	640

SPEC B	(English)	EN BF1	6364
Total word count	- document A		0
Total word count	- document B		8572
Total word count	- documents A + B		8572

...SPECIFICATION the IC card 10 is applied into the conventional magnetic card reader (not shown). The **magnetic card** reader is provided with first, **second** and third magnetic heads 25a, 25b and 25c. These magnetic heads 25a, 25b and 25c are...the IC card 10 operates to receive information data of card readers, e.g., the **IC card** reader adapted for the **Ic card IC card** 10 and **also** the conventional **magnetic card** reader as described **above** . The second inductive signal transfer device 15b has a construction identical with the first inductive signal

...

...IC card 10 will be described when the IC card 10 is applied to the **IC card** reader. In the **IC card reader** , the **second inductive** signal transfer device 15b faces to the corresponding **second** electro-magnetic **transducer** 22b provided in the **IC card reader** . Typically, the second inductive signal transfer device **15b** has a **construction** identical with the first electro-magnetic transducer 22a. That is, the **second** electro-magnetic **transducer** 22b is comprised of a pair of **coils** , i.e., first and second coils 23, 24. In the state as described above, the...

...signal transfer device 15b face to the first and second coils 23, 24 of the **second electro -magnetic transducer 22b** , respectively. When the second inductive signal transfer device 15b is **activated by** a signal of the **IC card** reader, the first coil 23 of the **second** electro-magnetic **transducer** 22b generates a magnetic flux 23m which flows, for example, downward in the drawing from the first coil 23 to the IC card 10. On the other hand, the **scnd coil** 24 of the **second** electro-magnetic **transducer** 22b generates a magnetic flux 24m which flows upward **in the** drawing from the IC card 10 to the second coil 24, in opposite to the first coil 23. The magnetic fluxes 23m, 24m flow through the **first and second coils** 23, 24 of the **second** electro-magnetic **transducer** 22b and the central ferromagnetic material layer 12 **of the IC card** 10 so that the magnetic fluxes 23m, 24m make a loop of magnetic flux 22bm...

s (smartcard? or chipcard? or (smart or chip?)(card? ?)(transducer?  
tone()generator or dialer? or autodialer?)(4n)(integral? or embed? or  
within?)

Items	File
-----	-----
Examined 50	files
Examined 100	files
Examined 150	files
Examined 200	files
Examined 250	files
Examined 300	files
Examined 350	files
Examined 400	files
Examined 450	files
Examined 500	files
Examined 550	files

No files have one or more items; file list includes 551 files.  
One or more terms were invalid in 2 files.

Set	Items	Description
S1	38561	SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) ()CARD? ? - OR AUTODIALER? OR AUTO()DIALER? OR TOKEN?
S2	194085	TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR - (ACOUSTIC OR TONE OR SOUND) ()GENERATOR?
S3	13802	S2(2N) (MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR VARI- OUS OR VARIET? OR TWO OR SECOND OR THREE)
S4	12	S1 AND S3
S5	152	S1 AND S2 AND (AUDIO? OR SOUND? OR TONE? OR MUSIC?)
S6	33	S5 AND (MULTIPL? OR PLURAL? OR VARIOUS? OR SECOND OR 2ND OR ANOTHER? OR TWIN OR PAIR?)
S7	10	S6 AND IC=(G06F? OR H04L?)
S8	9	S7 NOT S4
S9	0	(SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) ()CARD? ? OR HANDHELD OR PALMTOP? OR PEN) (4N) (AUTODIALER? OR AUTO()DIAL- ER?)
S10	2	(SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP) ()CARD? ? OR HANDHELD OR PALMTOP? OR PEN OR PORTABLE) (10N) (AUTODIALER? - OR AUTO()DIALER?)
S11	1808	(SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP OR MONDEX- ) ()CARD? ? OR HANDHELD OR PALMTOP? OR PEN OR PORTABLE?) (10N) (- DIALER? OR S2)
S12	111	S3 AND S11
S13	13	S12 AND IC=(G06F? OR H04L?)

File 347:JAPIO Oct 1976-2003/Oct(Updated 040202)  
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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200412  
(c) 2004 Thomson Derwent

8/5/8 (Item 5 from file 350)  
DIALOG(R) File 350:Derwent WPIX  
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008793784 \*\*Image available\*\*  
WPI Acc No: 1991-297798/199141  
XRPX Acc No: N91-228178

**Coded emitter for telephone based transactions - uses encoded acoustic transmission over telephone system with encoding changing at each use of emitter**

Patent Assignee: BERNARD A (BERN-I)  
Inventor: BERNARD A  
Number of Countries: 016 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 451056	A	19911009	EP 91400915	A	19910404	199141 B
FR 2660776	A	19911011				199151
US 5182767	A	19930126	US 91680551	A	19910404	199307
JP 6070048	A	19940311	JP 9199800	A	19910405	199415
EP 451056	B1	19950301	EP 91400915	A	19910404	199513
DE 69107652	E	19950406	DE 607652	A	19910404	199519
			EP 91400915	A	19910404	
ES 2071247	T3	19950616	EP 91400915	A	19910404	199531
JP 3009751	B2	20000214	JP 9199800	A	19910405	200013

Priority Applications (No Type Date): FR 904367 A 19900405

Cited Patents: 1.Jnl.Ref; EP 61373; JP 61043050

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 451056	A		7		
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
JP 3009751	B2		5	H04M-011/00	Previous Publ. patent JP 6070048
US 5182767	A		5	H04M-001/26	
JP 6070048	A		7	H04M-011/00	
EP 451056	B1 F		6	G07F-007/08	
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 69107652	E			G07F-007/08	Based on patent EP 451056
ES 2071247	T3			G07F-007/08	Based on patent EP 451056

Abstract (Basic): EP 451056 A

The portable electronic unit has an acoustic emitter (10) and a driver (12) generating **tones** corresponding to keys on a telephone, and a circuit (34) that forms a digital message (M). The message generator has a memory (14) containing an identification code (N) and a key (C). The digital message changes at each use and is set by the values of the code and key.

A circuit (16) translates the number stream to signals that e control the **tones** delivered by the acoustic emitter.

ADVANTAGE - - Increased security against misuse in systems allowing payment for services over telephone. (7pp Dwg.No.1/2

Title Terms: CODE; EMITTER; TELEPHONE; BASED; TRANSACTION; ENCODE; ACOUSTIC ; TRANSMISSION; TELEPHONE; SYSTEM; ENCODE; CHANGE; EMITTER

Derwent Class: T01; T05; W01

International Patent Class (Main): G07F-007/08; H04M-001/26; H04M-011/00

International Patent Class (Additional): G07C-009/00; G07F-001/06;

G07F-017/28; **H04L-009/32** ; H04M-011/06

File Segment: EPI

4/5/3 (Item 3 from file 347)  
DIALOG(R) File 347:JAPIO  
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02320693 \*\*Image available\*\*  
THIN FILM MAGNETIC TRANSDUCER

PUB. NO.: 62-237593 [JP 62237593 A]  
PUBLISHED: October 17, 1987 (19871017)  
INVENTOR(s): SHINOZAKI MASAYUKI  
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP  
(Japan)  
TOSHIBA AUDIO VIDEO ENG CORP [485538] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 61-080055 [JP 8680055]  
FILED: April 09, 1986 (19860409)  
INTL CLASS: [4] G06K-019/00; B42D-015/02; G11B-005/31  
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 29.4  
(PRECISION INSTRUMENTS -- Business Machines); 30.9  
(MISCELLANEOUS GOODS -- Other); 42.5 (ELECTRONICS --  
Equipment)  
JOURNAL: Section: P, Section No. 685, Vol. 12, No. 104, Pg. 148, April  
06, 1988 (19880406)

#### ABSTRACT

PURPOSE: To reduce crosstalk among **plural** magnetic **transducers** by constituting notched parts on a ring-like soft magnetic film formed on each thin film magnetic transducer so that magnetic gaps are irregularly formed.

CONSTITUTION: The ring-like magnetic film 2 is formed on a non-magnetic base 1, a thin film coil 4 is wound around the film 2 and the notched parts 3 to be magnetic gaps are formed on a part of the film 2 to form the thin film magnetic **transducer** 5. **Plural** thin film magnetic transducers 5 are arranged in parallel and built in an **IC card** and the contents stored in the **IC card** are read out by a magnetic card reader through the transducers. Since the notched parts 3 on the magnetic film 2 formed on each transducer are constituted so that magnetic gaps are irregularly formed, crosstalk among respective transducers can be reduced.

4/5/6 (Item 3 from file 350)  
DIALOG(R) File 350:Derwent WPIX  
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012807083 \*\*Image available\*\*  
WPI Acc No: 1999-613313/199953  
XRPX Acc No: N99-452194

**Authentication device for use over a telephone**

Patent Assignee: INT COMPUTERS LTD (INCM )  
Inventor: HOLT N P  
Number of Countries: 002 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2337894	A	19991201	GB 9910440	A	19990506	199953 B
GB 2337894	B	20000510	GB 9910440	A	19990506	200026
US 6404862	B1	20020611	US 99311512	A	19990513	200244

Priority Applications (No Type Date): GB 9811446 A 19980529

**Patent Details:**

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2337894	A		11	H04L-009/32	
GB 2337894	B			H04L-009/32	
US 6404862	B1			H04M-011/00	

Abstract (Basic): GB 2337894 A

NOVELTY - An authentication device is a hand held unit that has a flap (2) connected to a main body (1) by a hinge (3). The main body has a slot which can receive a **smart card** (5). A flat audio piezoelectric transducer acts as a loudspeaker and is mounted on the main body. A similar transducer acts as a microphone (7)

mounted in the flap and is slidable within the slot (8) to allow adjustment of the distance between the **two transducers**. An LED is provided on the back of the flap.

USE - For the authentication of an identity over a telephone line, e.g. to obtain bank account details.

ADVANTAGE - The device is inexpensive and is less complex than other similar devices.

DESCRIPTION OF DRAWING(S) - The drawing is a front view of an authentication device.

Main body (1)

Flap (2)

Hinge (3)

**Smart card** (5)

Microphone (7)

Slot (8)

pp; 11 DwgNo 1/5

Title Terms: AUTHENTICITY; DEVICE; TELEPHONE

Derwent Class: S05; T01; T04; T05; W01

International Patent Class (Main): H04L-009/32; H04M-011/00

File Segment: EPI

?s multispeaker (3n)(dialer? or autodialer?)

Your SELECT statement is:

s multispeaker (3n)(dialer? or autodialer?)

Items	File
-----	-----
Examined 50	files
Examined 100	files
Examined 150	files
Examined 200	files
Examined 250	files
Examined 300	files
Examined 350	files
Examined 400	files
Examined 450	files
Examined 500	files
Examined 550	files

No files have one or more items; file list includes 551 files.

S1 14191 SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP)()CARD? ?  
 S2 259984 TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR  
 (ACOUSTIC OR TONE OR SOUND)()GENERATOR?  
 S3 16263 S2(2N)(MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR  
 S5 4 RD (unique items  
  
 S6 11 (SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP OR  
 MONDEX)()CARD? ?) (5N)(AUTODIALER? OR DIALER? OR S2 OR  
 AUDIO()GENERATOR?)  
 S7 0 TOKEN?(3N)(DIALER? OR AUTODIALER?)  
 S8 11 RD S6 (unique items)  
 File 8: Ei Compendex(R) 1970-2004/Feb W2  
 (c) 2004 Elsevier Eng. Info. Inc.  
 File 35: Dissertation Abs Online 1861-2004/Jan  
 (c) 2004 The Gale Group  
 File 233: Internet & Personal Comp. Abs. 1981-2003/Sep  
 (c) 2003 EBSCO Pub.  
 File 6: NTIS 1964-2004/Feb W4  
 (c) 2004 NTIS, Intl Cpyrght All Rights Res  
 File 144: Pascal 1973-2004/Feb W2  
 (c) 2004 INIST/CNRS  
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
 (c) 1998 Inst for Sci Info  
 \*File 434: New prices as of 1/1/2004 per Information Provider  
 request. See HELP RATES 434.  
 File 34: SciSearch(R) Cited Ref Sci 1990-2004/Feb W2  
 (c) 2004 Inst for Sci Info  
 \*File 34: New prices as of 1/1/2004 per Information Provider  
 request. See HELP RATES 34.  
 File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Jan  
 (c) 2004 The HW Wilson Co.  
 File 95: TEME-Technology & Management 1989-2004/Feb W1  
 (c) 2004 FIZ TECHNIK

8/5/7 (Item 3 from file 94)

DIALOG(R) File 94:JICST-EPlus

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00697932 JICST ACCESSION NUMBER: 88A0562434 FILE SEGMENT: JICST-E  
**Development of thin film magnetic- transducer contained in an IC card  
allowing common use of magnetic stripe card reader system.**

OHATA TOSHIHIKO (1); OHMI KUNIO (1); OKANO SUMIO (1); FUSE KAZUYOSHI (1);  
IZAWA FUMIO (1); SHINOZAKI MASAYUKI (2)

(1) Toshiba Corp., Home Appliance Engineering Lab.; (2) Toshiba Audio Video  
Engineering Co., Ltd.

Denshi Joho Tsushin Gakkai Zenkoku Taikai Koen Ronbunshu(Spring National  
Convention Record, the Institute of Electronics, Information and  
Communication Engineers), 1988, VOL.1988,NO.Autumn Pt. C-2, PAGE.C.2.10  
, FIG.2, TBL.1

JOURNAL NUMBER: G0508ADY

UNIVERSAL DECIMAL CLASSIFICATION: 621.382:537.633 681.327.2

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

DESCRIPTORS: magnetoelectric device; credit card; data reading; magnetic  
thin film; magnetic head; IC card

BROADER DESCRIPTORS: solid state device; card(sheet); data processing;  
information processing; treatment; magnetic substance; magnetic  
material; material; thin film; membrane and film; recording head;  
magnetic component; parts

CLASSIFICATION CODE(S): NC03100X; JC04050U

Set	Items	Description
S1	16550	SMARTCARD? OR CHIPCARD? OR (SMART OR IC OR CHIP)()CARD? ? - OR AUTODIALER? OR DIALER?
S2	88466	TRANSDUCER? OR SOUNDBOARD? OR SPEAKER? OR LOUDSPEAKER? OR - (ACOUSTIC OR TONE OR SOUND)()GENERATOR?
S3	13531	S2(2N)(MULTIPL? OR PLURAL? OR SEVERAL OR DIFFERENT OR VARI- OUS OR VARIET? OR TWO OR SECOND OR THREE)
S4	2	S1(5N)S3
S5	6	S1(10N)S3
S6	40151	(ACOUSTIC? OR SOUND? OR TONE OR MUSIC OR AUDIO OR DTMF OR - FSK OR MULTITONE)()GENERATOR? OR SPEAKER? OR LOUDSPEAKER? OR - SOUNDBOARD? OR DIALER? OR AUTODIALER?
S7	3524	S6(2N)(MULTIPLE OR MULTIPLICITY OR PLURAL OR PLURALITY OR - SECOND OR 2ND OR TWO OR VARIOUS OR SEVERAL)
S8	82	(SMARTCARD? OR CHIPCARD? OR CARD? ? OR PCMCIA) (15N)S7
S9	15	S8 AND IC=G06F?
S10	14	S9 NOT S5
S11	14	IDPAT (sorted in duplicate/non-duplicate order)
S12	14	IDPAT (primary/non-duplicate records only)
S13	133	S1(10N)S6(2N)(EMBED? OR WITHIN OR INTERNAL OR INTEGRAL? OR INTEGRAT?)
S14	36	S13 AND IC=(G06F? OR H04L?)
S15	10	S14 NOT AD>19991221
S16	10	S15 NOT (S12 OR S5)

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File 349:PCT FULLTEXT 1979-2002/UB=20040219,UT=20040212  
(c) 2004 WIPO/Univentio

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File 349:PCT FULLTEXT 1979-2002/UB=20040219,UT=20040212  
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